

	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	123	(escape escaping) adj5 local adj5 (minima maxima minimum maximum)	US- PGPUB ; USPAT ; EPO; JPO; DERWE NT	2006/03/1 7 10:22
2	BRS	L2	31	(escape escaping) adj5 local adj5 (minima maxima minimum maximum) same (random arbitrary brownian "monte carlo")	US- PGPUB ; USPAT ; EPO; JPO; DERWE NT	2006/03/1 7 10:24
3	BRS	L3	2	2 and "constraint satisfaction"	US- PGPUB ; USPAT ; EPO; JPO; DERWE NT	2006/03/1 7 10:40
4	BRS	L5	0	"simulated annealing" same "constraint satisfaction" same (random arbitrary brownian "monte carlo")	US- PGPUB ; USPAT ; EPO; JPO; DERWE NT	2006/03/1 7 10:41
5	BRS	L4	13	"simulated annealing" same "constraint satisfaction"	US- PGPUB ; USPAT ; EPO; JPO; DERWE NT	2006/03/1 7 10:42

	Type	L #	Hits	Search Text	DBs	Time Stamp
6	BRS	L6	110	constraint same satisfaction same problem and (random or arbitrary)	US- PGPUB ; USPAT ; EPO; JPO; DERWE NT	2006/03/1 7 10:48
7	BRS	L7	23	constraint same satisfaction same problem and (search same (random or arbitrary))	US- PGPUB ; USPAT ; EPO; JPO; DERWE NT	2006/03/1 7 10:48
8	BRS	L8	0	constraint same satisfaction same problem and (search same brownian)	US- PGPUB ; USPAT ; EPO; JPO; DERWE NT	2006/03/1 7 10:48
9	BRS	L9	0	constraint same satisfaction same problem and (search same (monte adj3 carlo))	US- PGPUB ; USPAT ; EPO; JPO; DERWE NT	2006/03/1 7 10:48
10	BRS	L10	2	(constraint adj3 satisfaction adj3 problem) and (random adj3 walk)	US- PGPUB ; USPAT ; EPO; JPO; DERWE NT	2006/03/1 7 10:49

	Type	L #	Hits	Search Text	DBs	Time Stamp
11	BRS	L11	2	wsat same algorithm	US- PGPUB ; USPAT ; EPO; JPO; DERWE NT	2006/03/1 7 10:49



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book Foundations of constraint satisfaction - group of 4 »

E Tsang - 1993 - cswww.essex.ac.uk

... 245 7.10 Bibliographical Remarks 250 Chapter 8 Stochastic search methods for CSPs

253 8.1 Introduction ... 305 10.3 The Partial Constraint Satisfaction Problem 314 ...

Cited by 872 - [View as HTML](#) - [Web Search](#) - [Library Search](#) - [BL Direct](#)

Minimizing Conflicts: A Heuristic Repair Method for Constraint Satisfaction and Scheduling Problems - group of 17 »

S Minton, MD Johnston, AB Philips, P Laird - Artificial Intelligence, 1992 - cs.sfu.ca

... Adorf and Johnston, the Guarded Discrete Stochastic (GDS) network ... is used to solve binary constraint satisfaction problems. A problem consists of n variables, X ...

Cited by 441 - [View as HTML](#) - [Web Search](#)

Variable and Value Ordering Heuristics for the Job Shop Scheduling Constraint Satisfaction Problem - group of 6 »

N Sadeh, M Fox - 1995 - lirmm.fr

Page 1. VARIABLE AND VALUE ORDERING HEURISTICS FOR THE JOB SHOP SCHEDULING CONSTRAINT SATISFACTION PROBLEM ... 4 2. The Job Shop Constraint Satisfaction Problem ...

Cited by 66 - [View as HTML](#) - [Web Search](#) - [Library Search](#)

Heavy-Tailed Phenomena in Satisfiability and Constraint Satisfaction Problems - group of 10 »

CP Gomes, B Selman, N Crato, H Kautz - Journal of Automated Reasoning, 2000 - Springer

... Key words: satisfiability, constraint satisfaction, heavy tails, backtracking ... runs on different problem instances, and, for stochastic methods, runs with ...

Cited by 103 - [Web Search](#) - [BL Direct](#)

A discrete stochastic neural network algorithm for constraint satisfaction problems

HM Adorf, MD Johnston - Neural Networks, 1990., 1990 IJCNN International Joint ..., 1990 - ieeexplore.ieee.org

... neural network algorithm for solving constraint-satisfaction problems (CSPs ... as the guarded discrete stochastic network, can ... is the N -queen problem, for which ...

Cited by 50 - [Web Search](#)

Stochastic Constraint Programming - group of 10 »

T Walsh - Constraints - 4c.ucc.ie

... Note that the definition reduces to that of a traditional constraint satisfaction problem if we have no stochastic variables and $\phi \neq \emptyset$...

Cited by 30 - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

GENET: A Connectionist Architecture for Solving Constraint Satisfaction Problems by Iterative ... - group of 7 »

A Davenport, E Tsang, CJ Wang, K Zhu - AAAI, 1994 - cswww.essex.ac.uk

... solving csp s|the Guarded Discrete Stochastic (gds ... on the Car Sequencing Problem (Dincbas, Simonis, & ... We define a constraint satisfaction problem as a triple (Z ...

Cited by 87 - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

Stochastic neural networks for solving job-shop scheduling: Part 1. problem representation

YPS Foo, Y Takefuji - Proceedings of the 1988 IEEE International Conference on ..., 1988 - ieeexplore.ieee.org

... complete optimization problem with constraint satisfaction. In particular, we introduce a neural computation architecture based on a stochastic Hopfield neural ...

Cited by 41 - [Web Search](#)

Systematic Versus Stochastic Constraint Satisfaction - group of 2 »

EC Freuder, R Dechter, ML Ginsberg, B Selman, E ... - INTERNATIONAL JOINT CONFERENCE ON ARTIFICIAL INTELLIGENCE, 1995 - ics.uci.edu

... from the combinatorial explosion **problem** in general ... In order to bring **constraint satisfaction** research out of ... tion should be shifted to **stochastic** search in ...

Cited by 20 - View as HTML - Web Search - BL Direct

[PS] Pushing the Envelope: Planning, Propositional Logic, and Stochastic Search - group of 16 »

H Kautz, B Selman - PROCEEDINGS OF THE NATIONAL CONFERENCE ON ARTIFICIAL ... , 1996 - cs.washington.edu

... of viewing planning as general **constraint satisfaction** rather than ... **problem** time / Graphplan SAT from planning graph ... actions systematic **stochastic** stochastic ...

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A Family of Stochastic Methods for Constraint Satisfaction and Optimization - group of 4 »

EPK Tsang, CJ Wang, A Davenport, C Voudouris, TL ... - ... Practical Application of Constraint Technologies and Logic ..., 1999 - cswww.essex.ac.uk

... paper reports a family of **stochastic** algorithms for ... is a class of computation models for **constraint satisfaction**. ... A **problem** is represented by a network with ...

Cited by 16 - View as HTML - Web Search

An Empirical Study of Phase Transitions in Binary Constraint Satisfaction Problems - group of 4 »

P Prosser - Artificial Intelligence, 1996 - cs.bgu.ac.il

... the reason being that the **stochastic** techniques would ... when presented with an over-constrained **problem**. ... of comparison of **constraint satisfaction** algorithms has ...

Cited by 97 - View as HTML - Web Search

Coherence as Constraint Satisfaction - group of 7 »

P Thagard, K Verbeurgt - Cognitive Science, 1998 - leaonline.com

... **satisfaction**, along with use of connectionist algorithms to perform **constraint satisfaction**. ... interest, including proof that the coherence **problem** is NP-hard ...

Cited by 79 - Web Search - BL Direct

Partial constraint satisfaction problems and guided local search - group of 5 »

C Voudouris, E Tsang - Proceedings of Practical Application of Constraint ..., 1996 - csd.abdn.ac.uk

... the literature as Partial **Constraint Satisfaction** Problems (PCSPs ... the total cost from **constraint** violations and ... Link Frequency Assignment **Problem** (RLFAP), which ...

Cited by 46 - View as HTML - Web Search

A generic neural network approach for constraint satisfaction problems - group of 6 »

EPK Tsang, CJ Wang - Neural network applications, Springer-Verlag, 1992 - cs.essex.ac.uk

... The **Constraint Satisfaction Problem** (CSP) is a mathematical abstraction of the problems in many ... in the case of most of the existing **stochastic** search techniques ...

Cited by 28 - View as HTML - Web Search

Experiments using stochastic search for text planning - group of 6 »

C Mellish, A Knott, J Oberlander, MO'Donnell - Proceedings of International Conference on Natural Language ..., 1998 - acl.ldc.upenn.edu

... **Constraint satisfaction** in general is intractable ... Building a good RS tree is a search **problem**. **Stochastic** search methods are a form of heuristic search that use ...

Cited by 38 - View as HTML - Web Search

[ps] Constraint satisfaction - group of 3 »

R Dechter - Survey ECS, 2000 - ics.uci.edu

... **Stochastic** local search strategies have been recently reintroduced into the ... learning algorithms for the **constraint satisfaction problem**. In AAAI-96: ...

Cited by 18 - View as HTML - Web Search

Multi-agent oriented constraint satisfaction - group of 9 »

J Liu, H Jing, YY Tang - Artificial Intelligence, 2002 - comp.hkbu.edu.hk

... implemented Guarded Discrete **Stochastic** (GDS) network for solving **constraint satisfaction** problems (eg, the Hubble Space Telescope scheduling **problem**). ...

Cited by 44 - View as HTML - Web Search

Constraint Programming: In Pursuit of the Holy Grail - group of 15 »

R Bartak - Proceedings of WDS99 (invited lecture), Prague, June, 1999 - cs.sfu.ca

... As all above mentioned **stochastic** algorithms, the GENET is incomplete, for example ...

A **Constraint Satisfaction Optimisation Problem** (CSOP) consists ...

Cited by 78 - [View as HTML](#) - [Web Search](#)

A scheme for unifying optimization and constraint satisfaction methods - group of 9 »

J HOOKER, G OTTOSSON, ES THORSTEINSSON, HAKJIN KIM - The Knowledge Engineering Review, 2000 - CambridgeUnivPress

... Table 1 Solution of a **constraint satisfaction problem** by branching and domain reduction. The ``value'' shown is the value or domain ...

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Distributed stochastic search for constraint satisfaction and optimization: Parallelism, phase ... - group of 6 »

W Zhang, G Wang, L Wittenburg - Proceedings of AAAI Workshop on Probabilistic Approaches in ..., 2002 - cse.wustl.edu

... and efficiency of overall **problem**- solving processes. ... we study distributed **stochastic** algo- rithm ... for solving distributed **constraint satisfaction** problems (CSPs ...

Cited by 10 - [View as HTML](#) - [Web Search](#)

Backtracking algorithms for constraint satisfaction problems - group of 5 »

R Dechter, D Frost - Department of Information and Computer Science, University ..., 1999 - cs.sfu.ca

... In the CSP community interest in **stochastic** approaches was ... Much of the work in **constraint satisfaction** during the ... cases are unlikely, since the **problem** is NP ...

Cited by 34 - [View as HTML](#) - [Web Search](#)

Randomized rounding: a technique for provably good algorithms and algorithmic proofs - group of 2 »

P Raghavan, CD Thompson - Combinatorica, 1987 - portal.acm.org

... Jagannathan, On polynomial complexity of a **stochastic** algorithm for ... Watanabe, Randomized approximations of the **constraint satisfaction problem**, Nordic Journal ...

Cited by 305 - [Web Search](#) - [Library Search](#)

Using CSP Look-Back Techniques to Solve Real-World SAT Instances - group of 6 »

RJ Bayardo, RC Schrag - PROCEEDINGS OF THE NATIONAL CONFERENCE ON ARTIFICIAL ..., 1997 - mit.edu

... algorithm, perform as well or better than **stochastic** SAT algorithms ... as they are in systematic algorithms for the more general **constraint satisfaction problem**. ...

Cited by 304 - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

Constraint Satisfaction, Bounded Treewidth, and Finite-Variable Logics - group of 7 »

V Dalmau, PG Kolaitis, MY Vardi - CP, 2002 - Springer

... Specifically, Dechter and Pearl [DP89] and Freuder [Fre90] have shown that, for every $k \geq 2$, the **constraint satisfaction problem** CSP(T ...

Cited by 30 - [Web Search](#) - [BL Direct](#)

Medical Image Segmentation by a Constraint Satisfaction Neural Network - group of 3 »

I INTRODUCTION - IEEE TRANSACTIONS ON NUCLEAR SCIENCE, 1991 - ieeexplore.ieee.org

... **Stochastic** relaxation methods are extended to accommodate ... Although the **problem** of image segmentation ... **CONSTRAINT SATISFACTION NEURAL NETWORKS** A. Definitions of ...

Cited by 22 - [Web Search](#)

CPlan: A Constraint Programming Approach to Planning - group of 10 »

P van Beek, X Chen - constraints - ai.uwaterloo.ca

... A **constraint satisfaction problem** (CSP) consists of a set of n variables, $f \times 1 \dots x_n g$; a domain D_i of possible values for each variable x_i ; $1 \in \dots$

Cited by 78 - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

[PS] Problem Structure in the Presence of Perturbations

CP Gomes, B Selman - AAAI/IAAI, 1997 - rl.af.mil

... of systematic and **stochastic** procedures (Hogg ... this makes the **problem** computationally interesting from the perspective of search and **constraint satisfaction**. ...

Cited by 69 - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

[Fusion, propagation, and structuring in belief networks - group of 2 »](#)

J Pearl - Artificial Intelligence, 1986 - portal.acm.org

... V. Vovk, Derandomizing **Stochastic** Prediction Strategies ... the vertex feedback set **problem** with applications to **constraint satisfaction** and Bayesian ...

[Cited by 405 - Web Search - BL Direct](#)

[Ant colonies are good at solving **constraint satisfaction** problems - group of 4 »](#)

L Schoofs, B Naudts - The 2000 Congress on Evolutionary Computation, 2000 - ieeexplore.ieee.org

... work in group to solve some **problem** ... algorithm for solving binary **constraint satisfaction** problems (binary ... then compared with other **stochastic** evolutionary al ...

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Complete search in continuous global optimization and constraint satisfaction - group of 10 »

A Neumaier - *Acta Numerica*, 2004 - CambridgeUnivPress

... problems, continuation methods, interval methods, and **stochastic** methods (including ...

Even the **constraint satisfaction problem**, ie, the **problem** of deciding ...

Cited by 35 - [Web Search](#) - [BL Direct](#)

[ps] Solving Non-Boolean Satisfiability Problems with Stochastic Local Search - group of 3 »

AM Frisch, TJ Peugniez - *INTERNATIONAL JOINT CONFERENCE ON ARTIFICIAL INTELLIGENCE*, 2001 - cs.wustl.edu

... the effect of domain size on **problem** solving per ... **nb-satisfaction** problems to **b-satisfaction** prob- lems ... the Boolean encoding to represent the **constraint** that a ...

Cited by 24 - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

Planning as constraint satisfaction: Solving the planning graph by compiling it into CSP - group of 8 »

MB Do, S Kambhampati - *Artificial Intelligence*, 2001 - dccia.ua.es

... The process of searching the planning graph to extract a valid plan from it can be seen as a dynamic **constraint satisfaction problem** (DCSP) [27]. ...

Cited by 34 - [View as HTML](#) - [Web Search](#)

Stochastic Problem Solving by Local Computation Based on Self-Organization Paradigm - group of 6 »

Y Kanada, M Hirokawa - *PROCEEDINGS OF THE HAWAII INTERNATIONAL CONFERENCE ON SYSTEM* ..., 1994 - ieeexplore.ieee.org

... This paper presents a **stochastic** (or nondeterministic) **problem** solving ... **Problem** solving, such as optimization or **constraint satisfaction**, can be ...

Cited by 14 - [Web Search](#) - [BL Direct](#)

Integer linear programming neural networks for job-shop scheduling

YPS Foo, Y Takefuji - *Proceedings of the IEEE International Conference on Neural* ..., 1988 - ieeexplore.ieee.org

... job-shop scheduling, an npcomplete **constraint satisfaction problem**. ... also presented a **stochastic** neural network approach to solving the **problem**. ...

Cited by 44 - [Web Search](#)

[ps] GA-easy and GA-hard Constraint Satisfaction Problems - group of 6 »

AE Eiben, PE Raue, Z Ruttkay - *Constraint Processing, Selected Papers*, 1995 - cs.cinvestav.mx

... 1. GA-easy and GA-hard **Constraint Satisfaction** Problems ... network was used to solve a scheduling **problem**. Another direction in **stochastic** CSP solving methods is ...

Cited by 17 - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

Stochastic local search for bayesian networks

K Kask, R Dechter - *Seventh International Workshop on Artificial Intelligence*, ..., 1999 - ics.uci.edu

... e ective in solv- ing complex **constraint-satisfaction** and sat ... a new function which is added to the **problem**. ... search algorithms known as **Stochastic Local Search** ...

Cited by 22 - [View as HTML](#) - [Web Search](#)

An Experimental Assessment of a Stochastic, Anytime, Decentralized, Soft Colourer for Sparse Graphs - group of 5 »

S Fitzpatrick, L Meertens - *LECTURE NOTES IN COMPUTER SCIENCE*, 2001 - Springer

... 3 A Decentralized, Synchronous, **Stochastic** Algorithm ... Society, 1996, pages 309-334

6. The Distributed **Constraint Satisfaction Problem**: Formalization and ...

Cited by 18 - [Web Search](#) - [BL Direct](#)

book [Constraint processing - group of 4 »](#)

R Dechter - 2003 - books.google.com

... satisfaction problem as an equivalent problem with more ... 25 2.1 Constraint Networks
and Constraint Satisfaction 25 ... 74 3.6.2 Boolean Constraint Propagation 75 ...

Cited by 168 - Web Search - Library Search

[Representation, Constraint Satisfaction and the Knapsack Problem - group of 2 »](#)

R Hinterding - Proceedings of the 1999 Congress on Evolutionary Computation, 1999 - ieeexplore.ieee.org

... of possible representations and constraint satisfaction schemes and ... The knapsack
problem can be described as ... Algorithms (EAs) are stochastic search methods ...

Cited by 13 - Web Search

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